

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB2004/050619

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B26/02 G02B3/14 H01S5/183

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 069 450 A (CANON KK) 17 January 2001 (2001-01-17) paragraph '0201! - paragraph '0216!; figures 19a,19b	1-3,5,9, 10
X	WO 02/099527 A (PRINS MENNO W J ; CORNELISSEN HUGO J (NL); KONINKL PHILIPS ELECTRONICS) 12 December 2002 (2002-12-12) page 2, line 29 - page 4, line 29; figures 1,2,4	1-3,5,9, 10
X	US 4 583 824 A (LEA MICHAEL C) 22 April 1986 (1986-04-22) column 2, line 35 - column 4, line 8; figure 3	1-3,5,9, 10
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

24 August 2004

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02/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 369 954 B1 (BERGE BRUNO ET AL) 9 April 2002 (2002-04-09) column 3, line 3 - line 52 column 5, line 27 - column 6, line 39; figures 1,6	1-5,9,10
Y	US 4 289 379 A (MICHELET GUY) 15 September 1981 (1981-09-15) column 2, line 39 - line 62; figures 2-7	1-5,9,10
A	EP 1 146 325 A (AGILENT TECHNOLOGIES INC) 17 October 2001 (2001-10-17) abstract; figure 2	6-8
A	US 4 951 285 A (COLE JOHN L ET AL) 21 August 1990 (1990-08-21) abstract; figures 1,2	6-8

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International Application No
PCT/IB2004/050619

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1069450	A	17-01-2001	JP 2000356751 A JP 2000356792 A EP 1069450 A2 US 6449081 B1	26-12-2000 26-12-2000 17-01-2001 10-09-2002
WO 02099527	A	12-12-2002	EP 1402314 A1 WO 02099527 A1 JP 2004521389 T	31-03-2004 12-12-2002 15-07-2004
US 4583824	A	22-04-1986	NONE	
US 6369954	B1	09-04-2002	FR 2769375 A1 AT 214164 T CA 2306249 A1 DE 69804119 D1 DE 69804119 T2 EP 1019758 A1 ES 2171041 T3 WO 9918456 A1 JP 2001519539 T	09-04-1999 15-03-2002 15-04-1999 11-04-2002 28-11-2002 19-07-2000 16-08-2002 15-04-1999 23-10-2001
US 4289379	A	15-09-1981	FR 2389144 A1 FR 2421394 A2 DE 2817525 A1 GB 1596895 A JP 1393930 C JP 53135347 A JP 61051284 B	24-11-1978 26-10-1979 05-07-1979 03-09-1981 11-08-1987 25-11-1978 08-11-1986
EP 1146325	A	17-10-2001	US 6538748 B1 EP 1146325 A2 JP 2002006238 A	25-03-2003 17-10-2001 09-01-2002
US 4951285	A	21-08-1990	NONE	